

AMENDMENTS TO THE CLAIMS

1. - 14. (Cancelled)

15. (Currently Amended) An electronic apparatus comprising:

a wireless communication device that executes wireless communication with an external device;

an input device;

a processor configured

(a) to select one of a first communication mode and a second communication mode in accordance with an operation of the input device,

(b) to establish one transport channel for transmitting content data from the wireless communication device to the external device, between the wireless communication device and the external device when the first communication mode is selected,

(c) to encode content data by a first compression-encoding scheme,

(d) to execute an one-way communication with a first quality, the one-way communication including transmitting the content data, which is compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one transport channel,

(e) to establish two independent transport channels between the wireless communication device and the external device when the second communication mode is selected, the two independent transport channels including a first transport channel for transmitting content data from the wireless communication device to the external

device and a second transport channel for transmitting content data from the external device to the wireless communication device,

(f) to encode content data by a second compression-encoding scheme, the second compression-encoding scheme requiring a less amount of arithmetic operations compared to the first compression-encoding scheme, and

(g) to execute the two-way communication with a second quality which is lower than the first quality, the two-way communication including transmitting and receiving contents data items, which are compression-encoded by the second compression-encoding scheme, via the first transport channel and the second transport channel

~~means for selecting one of a first communication mode and a second communication mode in accordance with an operation of the input device; and~~

~~controlling means for controlling the wireless communication between the wireless communication device and the external device, the controlling means including:~~

~~first means for, when the first communication mode is selected, establishing one asynchronous connectionless (ACL) channel between the wireless communication device and the external device, setting a first communication condition for one-way communication in the apparatus and the external device, the first communication condition indicating that a first compression-encoding scheme is used in the one-way communication, compression encoding content data by the first compression-encoding scheme, and executing the one-way communication to transmit the content data compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one ACL channel; and second means for, when the second communication mode is selected, establishing two~~

~~independent ACL channels between the wireless communication device and the external device, the two independent ACL channels including a first ACL channel for transmitting content data from the wireless communication device to the external device and a second ACL channel for transmitting content data from the external device to the wireless communication device, setting a second communication condition for two-way communication in the apparatus and the external device, the second communication condition indicating that a second compression encoding scheme is used in the two-way communication, compression encoding content data by the second compression encoding scheme, and executing the two-way communication to transmit the content data compression encoded by the second compression encoding scheme from the wireless communication device to the external device via the first ACL channel and receive content data compression encoded by the second compression encoding scheme from the external device via the second ACL channel, the second compression encoding scheme requiring a lesser amount of arithmetic operations compared to the first compression encoding scheme.~~

16. (Currently Amended) The electronic apparatus according to claim 15, further comprising:

a display device; and displaying means for displaying a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively, on a display screen of the display device, wherein the processor-selecting means includes means for selecting is configured to select the first communication mode when the first icon is selected by an operation of the input device,

and ~~to select~~ selecting the second communication mode when the second icon is selected by an operation of the input device.

17. (Currently Amended) The electronic apparatus according to claim 15, wherein the processor is configured to control ~~controlling means includes means for controlling~~ communication between the wireless communication device and the external device such that content data sampled with a first sampling frequency is transmitted from the wireless communication device to the external device when the first communication mode is selected, and content data sampled with a second sampling frequency, which is lower than the first sampling frequency, is transmitted and received between the wireless communication device and the external device when the second communication mode is selected.

18. (Previously Presented) The electronic apparatus according to claim 15, wherein the external device is a headset including a speaker and a microphone.

19. (Currently Amended) A computer-readable storage medium which stores a program for controlling wireless communication between a wireless communication device within a computer and an external device, the program comprising:

causing the computer to select one of a first communication mode and a second communication mode in accordance with an operation of an input device of the computer;

causing the computer to establish one transport channel for transmitting content data from the wireless communication device to the external device, between the wireless communication device and the external device when the first communication mode is selected;

causing the computer to encode content data by a first compression-encoding scheme;

causing the computer to execute the one-way communication with a first quality, the one-way communication including transmitting the content data, which is compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one transport channel;

causing the computer to establish two independent transport channels between the wireless communication device and the external device when the second communication mode is selected, the two independent transport channels including a first transport channel for transmitting content data from the wireless communication device to the external device and a second transport channel for transmitting content data from the external device to the wireless communication device;

causing the computer to encode content data by a second compression-encoding scheme, the second compression-encoding scheme requiring a less amount of arithmetic operations compared to the first compression-encoding scheme; and

causing the computer to execute the two-way communication with a second quality which is lower than the first quality, the two-way communication including transmitting and receiving contents data items, which are compression-encoded by a

second compression-encoding scheme, via the first transport channel and the second transport channel

~~causing the computer to establish one asynchronous connectionless (ACL) channel for transmitting content data from the wireless communication device and the external device, set a first communication condition for one-way communication in the computer and the external device, the first communication condition indicating that a first compression-encoding scheme is used in the one-way communication, compression-encode content data by the first compression-encoding scheme, and execute the one-way communication to transmit the content data compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one ACL channel, when the first communication mode is selected; and causing the computer to establish two independent ACL channels between the wireless communication device and the external device, the two independent ACL channels including a first ACL channel for transmitting content data from the wireless communication device to the external device and a second ACL channel for transmitting content data from the external device to the wireless communication device, set a second communication condition for two-way communication in the computer and the external device, the second communication condition indicating that a second compression-encoding scheme is used in the two-way communication, compression-encode content data by the second compression-encoding scheme, and execute the two-way communication to transmit the content data compression-encoded by the second compression-encoding scheme from the wireless communication device to the external device via the first ACL channel and receive~~

~~content data compression encoded by the second compression encoding scheme from the external device via the second AGL channel, the second compression encoding scheme requiring a lesser amount of arithmetic operations compared to the first compression encoding scheme.~~

20. (Cancelled)